

## In The Claims

Please amend the claims as follows:

### Claims

1. (CURRENTLY AMENDED) A climate chamber, ~~in particular for chemical and/or biological samples, comprising~~  
a housing (24) defining a climate compartment (26),  
an analysis device (28) arranged at least partially in the climate compartment for analyzing the sample, and  
an inlet opening (38) provided in the housing (24) for supplying a conditioning medium flow (42),  
wherein the medium flow (42) flows at least partially against the analysis device (28) and/or a sample carrier (36) arranged in the climate compartment (26).
2. (CURRENTLY AMENDED) The climate chamber according to claim 1, ~~characterized by~~further comprising a directing device for directing the medium flow (42).
3. (CURRENTLY AMENDED) The climate chamber according to claim 1 or 2, ~~wherein said~~characterized in that the medium flow (42) is directed such that the medium flow (42) flows against a lower side (44) of the sample carrier.

4. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-3, characterized in that the wherein said inlet opening (38) is arranged laterally offset below the sample carrier (36) when the sample carrier (36) is horizontally arranged.

5. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-4, characterized by further comprising an approach flow angle ( $\alpha$ ) of 30°-60° relative to the sample carrier (36).

6. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-5, characterized in that the wherein said medium flow (42) is directed such that at least 50 %-70 % of the medium flow (42) flows against the analysis device (28) and/or the sample carrier (36).

7. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-6, characterized in further comprising that condensate-sensitive components (30,32,34) of the analysis device (28) being are located in the medium flow (42).

8. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-7, characterized by further comprising a temperature sensor (46) arranged near the sample carrier (36), in particular near the lower side (44) of the sample carrier (36).

9. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-8, characterized by further comprising an outlet opening-(48) provided in the housing-(24), wherein said outlet opening-(48) preferably being arranged substantially opposite the inlet opening-(38).

10. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-9, characterized in that wherein the housing is configured such that it promotes an optimum flow.

11. (CURRENTLY AMENDED) The climate chamber according to one of claims 1-10, characterized in that further comprising adjacent housing walls (12,14,16,18,20,22) are arranged at an angle of at least 90°, preferably at least 120°, relative to each other.

12. (CURRENTLY AMENDED) A climate control system means comprising a climate chamber, said climate chamber comprising a housing defining a climate compartment, an analysis device arranged at least partially in the climate compartment for analyzing the sample, and an inlet opening provided in the housing for supplying a conditioning medium flow, wherein the medium flow flows at least partially against the analysis device and/or a sample carrier arranged in the climate compartment according to one of claims 1-11,

wherein the inlet opening-(38) has connected therewith a climate control device; a channel-(110) through which flows a gaseous medium which is to be conditioned; a steam chamber-(120) having an inlet opening-(134) and an outlet opening-(138) connected with said channel; a steam generator

~~means~~ (126) connected with said steam chamber (120); and a controller ~~means~~ (140) arranged at the inlet opening (134) and/or the outlet opening (138) for controlling the quantity of steam fed from the steam chamber (120) to the channel (110).

13. (CURRENTLY AMENDED) The climate control ~~means~~system according to claim 12, ~~characterized in that~~wherein the controller ~~means~~ (140) is adapted to control the opening cross section of the inlet opening (134) and/or the outlet opening (138).
14. (CURRENTLY AMENDED) The climate control ~~means~~system according to claim 12 or 13, ~~characterized in that~~wherein the inlet opening (134) is connected with the channel (110) such that a portion of the medium to be conditioned flows into the steam chamber (120).
15. (CURRENTLY AMENDED) The climate control ~~means~~system according to one of claims 12-14, ~~characterized in that~~wherein the steam generator ~~ion~~ means (126) comprises a heating ~~means~~ for heating the medium to be evaporated.
16. (CURRENTLY AMENDED) The climate control ~~means~~system according to one of claims 12-15, ~~characterized by~~further comprising a flow-producing ~~means~~ (114) for producing the medium flow in the channel (110).

17. (CURRENTLY AMENDED) The climate control meanssystem according to ~~one of claims 12-16, characterized by~~further comprising a filter means (116) connected with the channel (110).

18. (CURRENTLY AMENDED) The climate control meanssystem according to ~~one of claims 12-17, characterized by~~further comprising a conditioning means (118) connected with the channel (110).